



City of Fitchburg  
Planning/Zoning Department  
5520 Lacy Road  
Fitchburg, WI 53711  
(608-270-4200)

## ARCHITECTURAL & DESIGN REVIEW APPLICATION

Applicant/Contact Person: DALE BENJAMIN, BENJAMIN BUILDING COMPANY LLC  
Address: 5396 KING JAMES WAY Phone Number of Contact Person: 608-271-7071  
City, State, Zip Code: MADISON WI 53719 Email of Contact Person: DALE@BENJAMINPLUMBING.COM  
Project Address: CSM 13261 COMMERCE PARK DRIVE Lot: 2 Subdivision: \_\_\_\_\_  
Project Type: \_\_\_\_\_ Multi-Family ☒ Commercial \_\_\_\_\_ Industrial \_\_\_\_\_ Other \_\_\_\_\_  
\_\_\_\_\_ New \_\_\_\_\_ Addition

Impervious Surface Ratio (ISR): 55% (City Standard: maximum 65% ISR)

All items listed below must be included with the application to be considered complete. If an item is not included with the application, the applicant must provide in writing the basis for not including it. Building and site plans submitted to the Fitchburg Plan Commission for architectural and design review shall contain the following information:

### Site Data:

- ☐ 1. Lot or property dimensions.
- ☐ 2. Orientation (to north).
- ☐ 3. Adjacent highways, roads, drive, etc.
- ☐ 4. Existing natural features (rivers, ponds, wetlands).
- ☐ 5. Existing buildings and/or improvements.
- ☐ 6. Existing and proposed site drainage.
- ☐ 7. Utility plans, including main/lateral sizes and existing fire hydrants on site or within 300 feet of the site
- ☐ 8. ISR shall be indicated on all plans.
- ☐ 9. Stormwater management plans and details, including grading plan.
- ☐ 10. Lighting plan in footcandles and light fixture cut sheets.

### Building:

- ☐ 1. Building size, configuration and orientation.
- ☐ 2. Distance from lot lines.
- ☐ 3. Distance from other buildings, improvements and natural features.
- ☐ 4. Location of well, septic tank, drainfield, etc. (if applicable)
- ☐ 5. Additional proposed additions or new structures, including trash/recycling enclosure(s).
- ☐ 6. Construction type (wood frame, structural steel, etc.).
- ☐ 7. Foundation type (full basement, slab on grade, etc.).
- ☐ 8. Number of levels.
- ☐ 9. Siding/exterior covering type, color, texture, etc.
- ☐ 10. Roof type (gable, hip, shed, flat, etc.) and pitch.
- ☐ 11. Roofing material type, color, texture, etc.
- ☐ 12. Exterior door and window location, size, type, etc.
- ☐ 13. Fire protection sprinklers or fire alarm systems.

### Ingress, Egress, Parking:

- ☐ 1. Location of highway and road access points.
- ☐ 2. Location, size, configuration of drivers and walks.
- ☐ 3. Number, size, location of parking spaces.
- ☐ 4. Location of handicapped parking and accessible building entrances.
- ☐ 5. Bicycle rack(s).

ARCHITECTURAL AND DESIGN REVIEW APPLICATION  
Page 2

**Landscaping:**

☐  
☐  
☐  
☐

1. Location, species, size of existing trees, shrubs, and plantings.
2. Location, species, size of proposed plantings.
3. Location and size of all paved, seeded/sodded and gravelled areas.
4. Location of all retaining walls, fences, berms and other landscape features.

**\*It is highly recommended that an applicant hold at least one neighborhood meeting prior to submitting an ADR application to identify any concerns or issues of surrounding residents.**

The preceding information is considered to be the minimum information for submission, and the City may require additional information for its review. Any interpretations provided by city officials as the result of submitting the attached information are based on the submitted plans, and any plan changes, may affect the interpretations.

It is the responsibility of the owner/applicant to insure compliance with all local and state requirements. The below signed applicant acknowledges the above information and hereby submits the attached information for the City's Architectural and Design Review Process.

Signed: \_\_\_\_\_

Applicant or Authorized Agent

Date: 2/16/16

**\*\*\* Application shall be accompanied by one (1) sets of full-size plans, two (2) sets no larger than 11"x17", and one (1) pdf document of the complete submittal to [planning@fitchburgwi.gov](mailto:planning@fitchburgwi.gov). Applications are due at least 4 weeks prior to the desired Plan Commission Meeting. The time frame assumes a complete set of plans is provided, and if it is not provided the Plan Commission date will be adjusted.**

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**FOR CITY USE ONLY**

Date Received: 2/16/2016

Plan Commission Date: \_\_\_\_\_

Comments:

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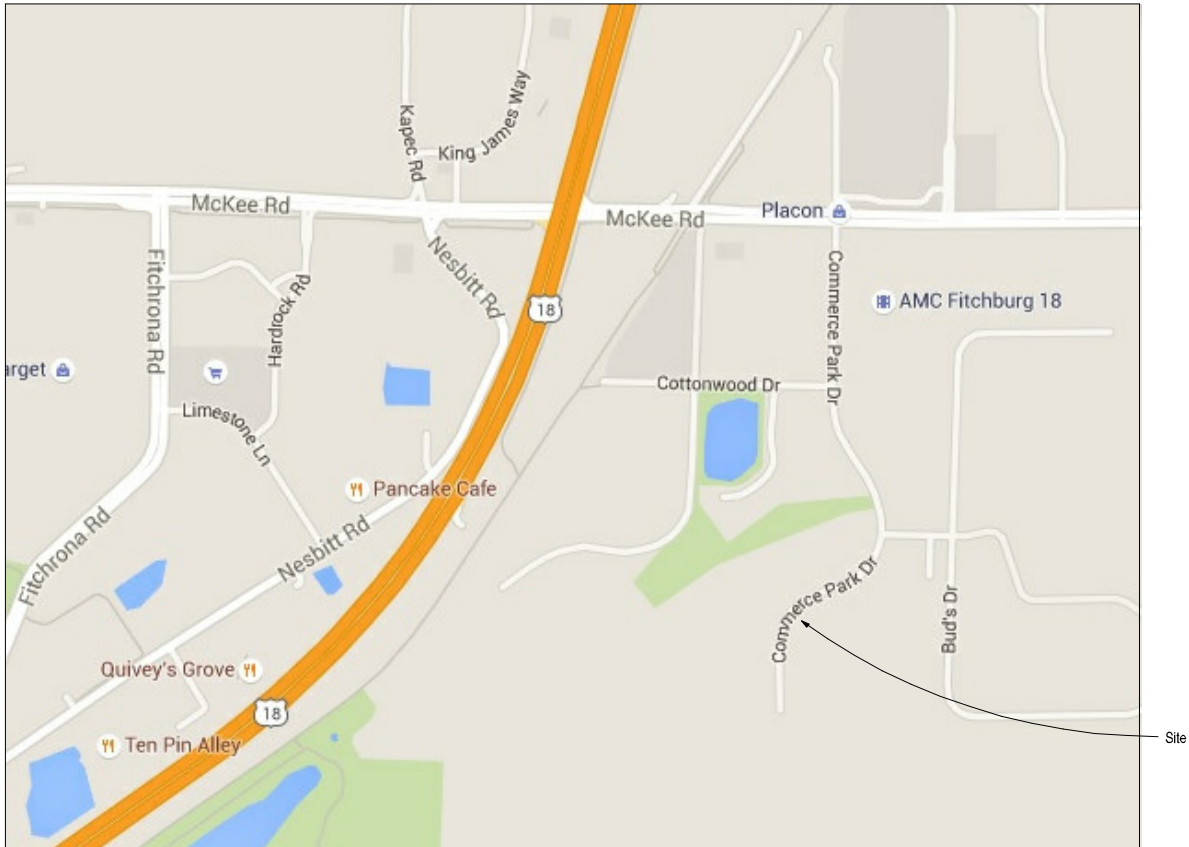
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BENJAMIN PLUMBING OFFICE & WAREHOUSE

FITCHBURG, WI



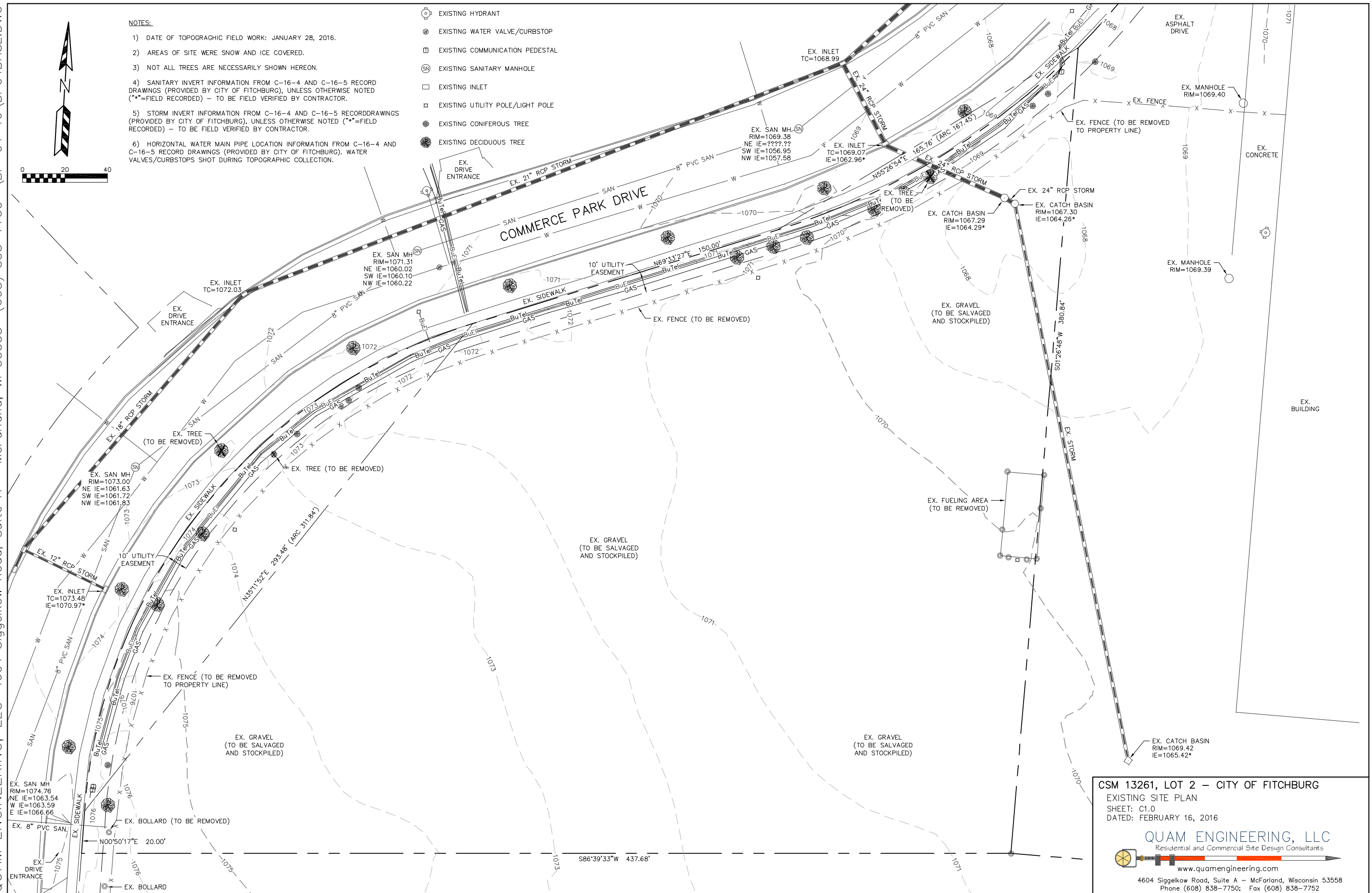
Vicinity Map

Architecture :	Dimension IV - Madison Design Group 6515 Grand Teton Plaza, Suite 120, Madison, WI 53719 p: 608.829.4444 www.dimensionivmadison.com
Civil Engineering:	Quam Engineering, LLC 4604 Sigglekow Road, Suite A, McFarland, WI 53558 p: 608.838.7750 www.quamengineering.com
Landscape Architecture:	Paul Skidmore, Landscape Architect, LLC 13 Red Maple Trail, Madison, WI 53717 p: 608.826.0032
Site Lighting:	Direct Electric, LLC  p: Phone web site
Structural Engineering:	Name Address, City, State Zip p: Phone web site

LIST OF DRAWINGS	
GENERAL	
G-1	COVER SHEET
CIVIL	
C1.0	EXISTING SITE PLAN
C1.1	SITE PLAN
C1.2	GRADING & EROSION CONTROL PLAN
C1.3	UTILITY PLAN
C1.4	LANDSCAPE PLAN

LIST OF DRAWINGS	
SITE LIGHTING	
E-1	SITE LIGHTING PLAN & CALCULATIONS
ARCHITECTURAL	
A-1	FLOOR PLAN
A-2	EXTERIOR VIEWS
A-3	EXTERIOR VIEWS

PROJECT/BUILDING DATA	CODE INFORMATION SUMMARY:
NEW 1 STORY BUILDING WITH OFFICE AND WAREHOUSE SPACE	APPLICABLE CODE 2009 WISCONSIN COMMERCIAL BUILDING CODE
BUILDING AREAS TOTAL BUILDING AREA = 32,867 SQFT	CONSTRUCTION TYPE TYPE 5A = 1 STORY STRUCTURAL METAL FRAME - UNPROTECTED
PARKING COUNTS TOTAL SPACES = 30 SURFACE VEHICULAR 8 SURFACE VEHICULAR	FIRE SPRINKLER BUILDING IS FULLY SPRINKLERED NFPA 13 = ENTIRE BUILDING - NEW AND REMODELED



CSM 13261, LOT 2 - CITY OF FITCHBURG

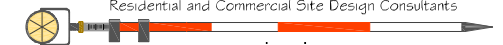
EXISTING SITE PLAN

SHEET: C1.0

DATED: FEBRUARY 16, 2016

QUAM ENGINEERING, LLC  
Residential and Commercial Site Design Consultants

Residential and Commercial Site Design Consultants

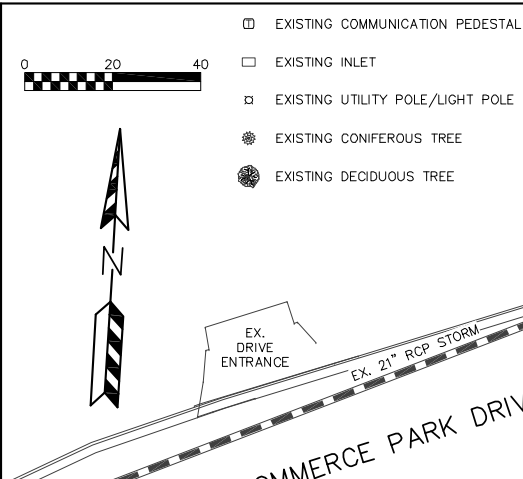
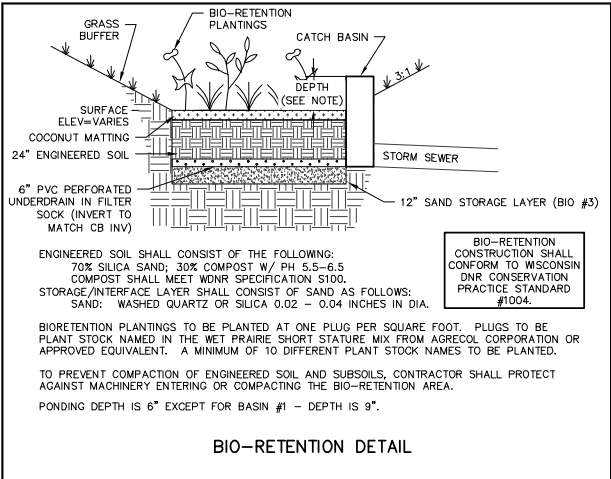
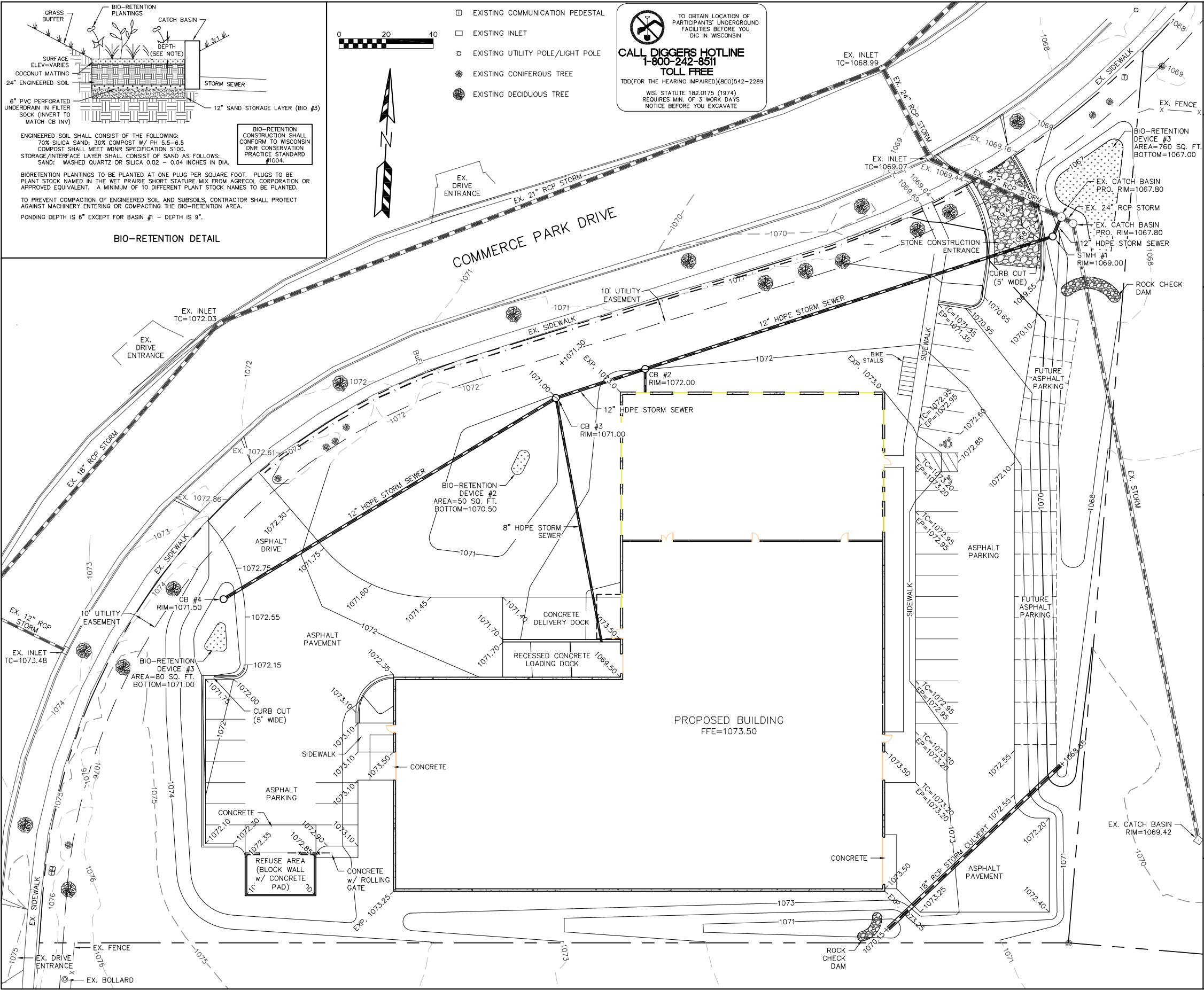


www.quamengineering.com

4604 Siggelkow Road, Suite A – McFarland, Wisconsin 53558  
Phone (608) 838-7750; Fax (608) 838-7752

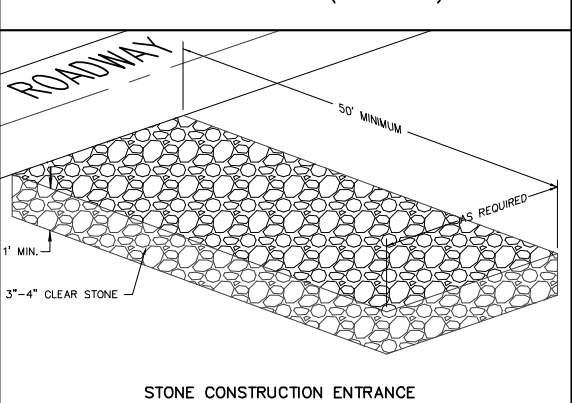
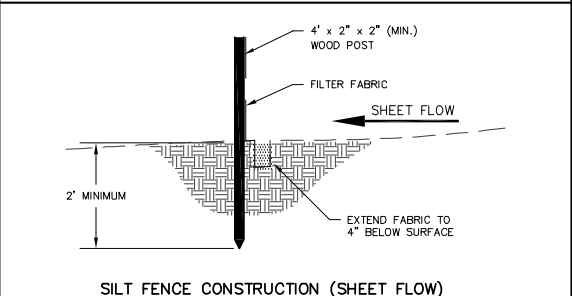






TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
**CALL DIGGERS HOTLINE**  
**1-800-242-8511**  
**TOLL FREE**  
TDD(FOR THE HEARING IMPAIRED)(800)542-2289  
WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

- NOTES:**
- DATE OF TOPOGRAPHIC FIELD WORK: JANUARY 28, 2016.
  - AREAS OF SITE WERE SNOW AND ICE COVERED.
  - NOT ALL TREES ARE NECESSARILY SHOWN HEREON.
  - STORM INVERT INFORMATION FROM C-16-4 AND C-16-5 RECORD DRAWINGS (PROVIDED BY CITY OF FITCHBURG), UNLESS OTHERWISE NOTED ("\*" = FIELD RECORDED) - TO BE FIELD VERIFIED BY CONTRACTOR.



**EROSION NOTES:**

THE STONE CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION. THE TRACKING PAD IS TO BE MAINTAINED BY THE CONTRACTOR IN A CONDITION, WHICH WILL PREVENT THE TRACK OF MUD OR DRY SEDIMENT ONTO THE ADJACENT PUBLIC STREETS. SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH WORKDAY.

EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO GRADING OPERATIONS AND SHALL BE PROPERLY MAINTAINED FOR MAXIMUM EFFECTIVENESS UNTIL VEGETATION IS ESTABLISHED. ALL EROSION CONTROL MEASURES AND STRUCTURES SERVING THE SITE MUST BE INSPECTED AT LEAST WEEKLY OR WITHIN 24 HOURS OF A 0.5 INCH RAIN EVENT. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS.

CUT AND FILL SLOPES SHALL BE NO GREATER THAN 3:1.

EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES AS SHOWN SHALL BE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECOGNIZING AND CORRECTING ALL EROSION CONTROL PROBLEMS THAT ARE A RESULT OF CONSTRUCTION ACTIVITIES. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE DEVELOPER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.

**TIME SCHEDULE:**

APRIL 1, 2016	INSTALL INITIAL EROSION CONTROL DEVICES.
APRIL 2 - SEPTEMBER 15, 2016	CONSTRUCT BUILDING & PARKING LOT AND RESTORE PERVIOUSLY DISTURBED AREAS.
MAY 1 - 15, 2017	CONSTRUCT BIO-RETENTION DEVICES.

**RESTORATION NOTES:**

ALL PERVIOUSLY DISTURBED AREAS SHALL RECEIVE A MINIMUM OF FOUR (4) INCHES OF TOPSOIL, SEED AND MULCH. ALL PERVIOUSLY DISTURBED AREAS SHALL RECEIVE FERTILIZER EXCEPT NATIVE PLANTING AREAS. RESTORATION WILL OCCUR AS SOON AFTER THE DISTURBANCE AS PRACTICAL. WET DETENTION NATIVE SEED MIXTURES SHALL BE USED FOR THE BOTTOM OF THE DETENTION POND. SEED MIXTURE 40 SHALL BE USED ON ALL OTHER DISTURBED AREAS. MIXTURES SHALL BE IN ACCORDANCE WITH SECTION 650 OF D.O.T. SPECIFICATIONS. AN EQUAL AMOUNT OF ANNUAL RYEGRASS SHALL BE ADDED TO THE MIX.

SEED MIXTURES SHALL BE APPLIED AT THE RATE OF FOUR (4) POUNDS PER 1,000 SQUARE FEET. FERTILIZER SHALL BE APPLIED AT THE RATE OF FOUR (4) POUNDS PER 1,000 SQUARE FEET. MULCH SHALL CONSIST OF HAY OR STRAW APPLIED AT THE RATE OF 2 TONS PER ACRE.

FERTILIZER SHALL MEET THE MINIMUM REQUIREMENTS THAT FOLLOW: NITROGEN, NOT LESS THAN 16%; PHOSPHORIC ACID, NOT LESS THAN 8%; POTASH, NOT LESS THAN 8%.

**OWNER:**  
BENJAMIN PLUMBING  
5396 KING JAMES WAY  
MADISON, WI 53719

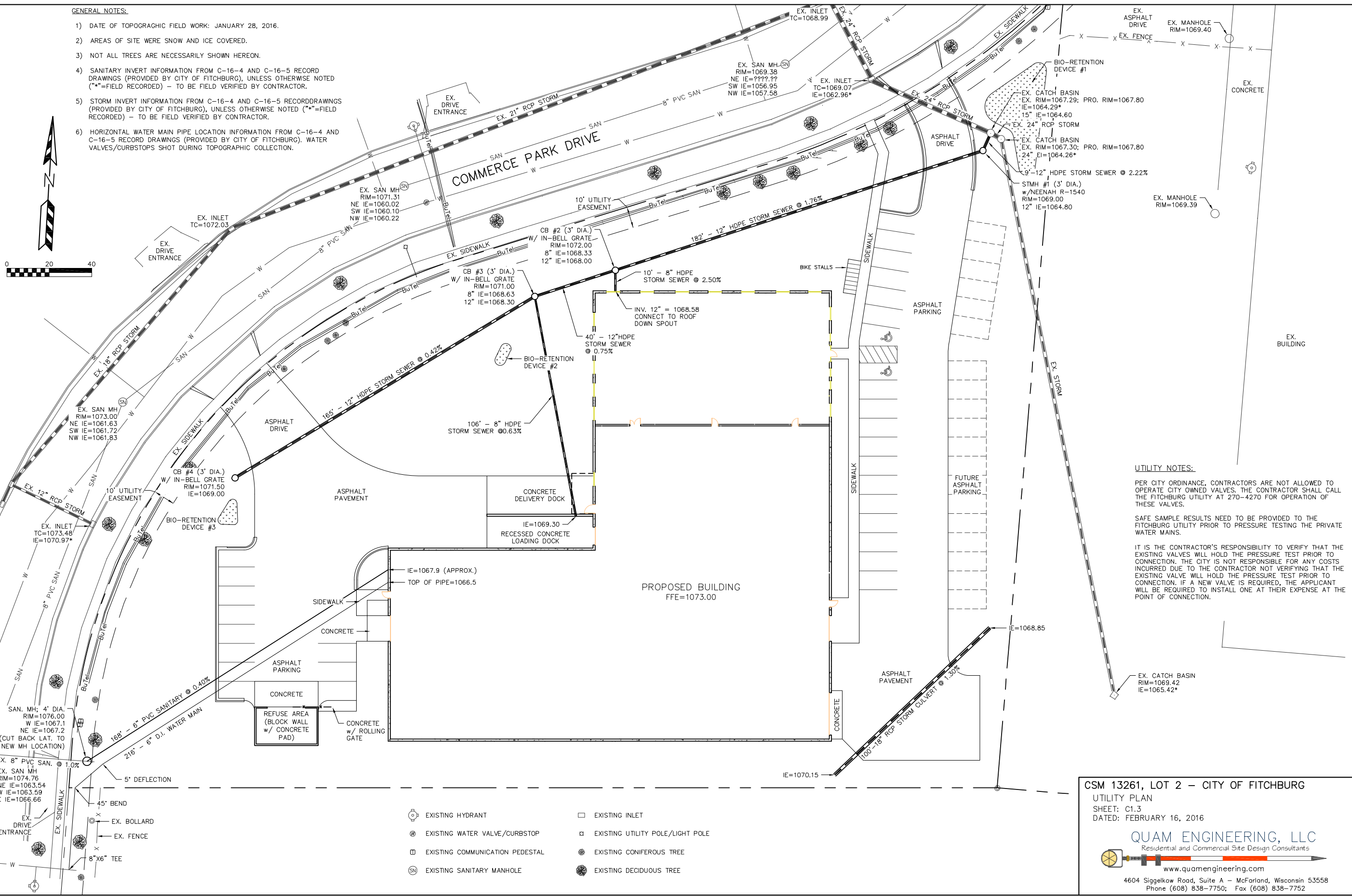
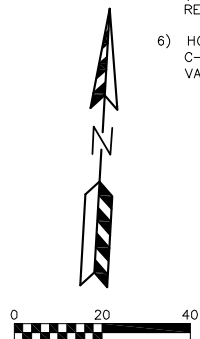
**ENGINEER:**  
QUAM ENGINEERING, LLC  
ATTN: RYAN QUAM  
4604 SIGGELKOW ROAD, SUITE A  
MCFARLAND, WI 53558

**CSM 13261, LOT 2 - CITY OF FITCHBURG**  
**GRADING AND EROSION CONTROL PLAN**  
**SHEET: C1.2**  
**DATED: FEBRUARY 16, 2016**

**QUAM ENGINEERING, LLC**  
Residential and Commercial Site Design Consultants  
www.quamengineering.com  
4604 Siggelkow Road, Suite A - McFarland, Wisconsin 53558  
Phone (608) 838-7750; Fax (608) 838-7752

GENERAL NOTES:

- 1) DATE OF TOPOGRAPHIC FIELD WORK: JANUARY 28, 2016.
- 2) AREAS OF SITE WERE SNOW AND ICE COVERED.
- 3) NOT ALL TREES ARE NECESSARILY SHOWN HEREON.
- 4) SANITARY INVERT INFORMATION FROM C-16-4 AND C-16-5 RECORD DRAWINGS (PROVIDED BY CITY OF FITCHBURG), UNLESS OTHERWISE NOTED ("\*\*"=FIELD RECORDED) - TO BE FIELD VERIFIED BY CONTRACTOR.
- 5) STORM INVERT INFORMATION FROM C-16-4 AND C-16-5 RECORD DRAWINGS (PROVIDED BY CITY OF FITCHBURG), UNLESS OTHERWISE NOTED ("\*\*"=FIELD RECORDED) - TO BE FIELD VERIFIED BY CONTRACTOR.
- 6) HORIZONTAL WATER MAIN PIPE LOCATION INFORMATION FROM C-16-4 AND C-16-5 RECORD DRAWINGS (PROVIDED BY CITY OF FITCHBURG). WATER VALVES/CURBSTOPS SHOT DURING TOPOGRAPHIC COLLECTION.



UTILITY NOTES:

PER CITY ORDINANCE, CONTRACTORS ARE NOT ALLOWED TO OPERATE CITY OWNED VALVES. THE CONTRACTOR SHALL CALL THE FITCHBURG UTILITY AT 270-4270 FOR OPERATION OF THESE VALVES.

SAFE SAMPLE RESULTS NEED TO BE PROVIDED TO THE FITCHBURG UTILITY PRIOR TO PRESSURE TESTING THE PRIVATE WATER MAINS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE EXISTING VALVES WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. THE CITY IS NOT RESPONSIBLE FOR ANY COSTS INCURRED DUE TO THE CONTRACTOR NOT VERIFYING THAT THE EXISTING VALVE WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. IF A NEW VALVE IS REQUIRED, THE APPLICANT WILL BE REQUIRED TO INSTALL ONE AT THEIR EXPENSE AT THE POINT OF CONNECTION.

CSM 13261, LOT 2 - CITY OF FITCHBURG

UTILITY PLAN

SHEET: C1.3

DATED: FEBRUARY 16, 2016

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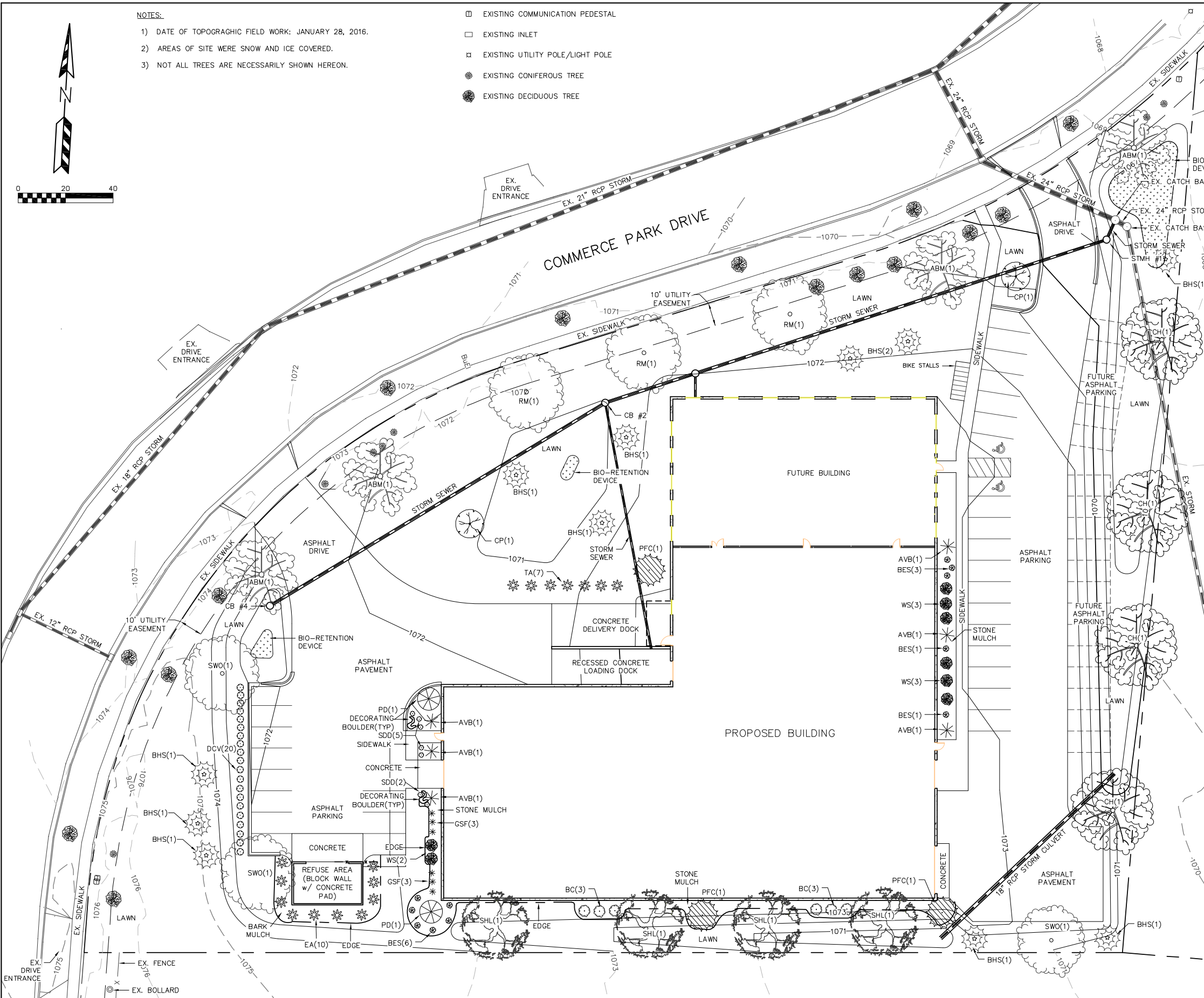
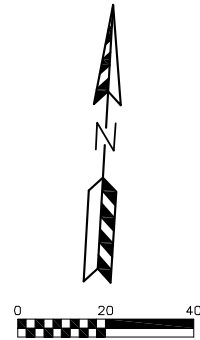
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Phone (608) 838-7750; Fax (608) 838-7752



NOTES:

- 1) DATE OF TOPOGRAPHIC FIELD WORK: JANUARY 28, 2016.
- 2) AREAS OF SITE WERE SNOW AND ICE COVERED.
- 3) NOT ALL TREES ARE NECESSARILY SHOWN HEREON.

- EXISTING COMMUNICATION PEDESTAL
- EXISTING INLET
- EXISTING UTILITY POLE/LIGHT POLE
- EXISTING CONIFEROUS TREE
- EXISTING DECIDUOUS TREE



PROPOSED PLANT LIST

KEY	SIZE	QUAN	COMMON NAME	ROOT
ABM	2"	4	Autumn Brilliance Maple	BE
CH	2"	4	Hackberry	BE
RM	2"	3	Red Maple	BE
SHL	2"	4	Shademaster Honeyocust	BE
SWO	2"	3	Swamp White Oak	BE
CP	2"	2	Callery Pear	BE
PD	1 1/2"	2	Pagoda Dogwood	BE
PFC	1 1/2"	3	Prairie Fire Crab	BE
BHS	5'	11	Black Hills Spruce	BE
EA	4'	10	Emerald Arborvitae	BE
TA	5'	7	Techny Arborvitae	BE
AVB	36"	6	Arrowwood Viburnum	BE
BC	24"	6	Black Chokeberry	Pot
DCV	24"	20	Dwarf Cranberry Bush Viburnum	Pot
G-S	18"	6	Gold Flame Spirea	Pot
WS	24"	8	White Snowberry	Pot
bes	1 G	11	Black Eyed Susan	Con
sdd	1 G	7	Stella de Oro Day Lily	Con

NOTES:

- 1) Lawn areas to receive a minimum of 4" of topsoil, seed (Madison Parks), starter fertilizer, and straw mulch.
- 2) Turf areas on slopes greater than 3:1 shall be mulched with straw mat erosion fabric (installed per manufacturer's specifications).
- 3) Foundation planting beds and planting beds labeled as 'stone mulch' to be mulched with 1 1/2" washed stone mulch spread to a depth of 3" over weed barrier fabric.
- 4) Individual trees and shrub groupings in lawn areas to receive shredded hardwood bark mulch plant rings (4 diameter) spread to a depth of 3"
- 5) Designated planting beds to be separated from lawn areas with 5" black vinyl bed edging (Valley View Black Diamond or equal.)
- 6) Decorative boulders to be weathered, native, limestone outcropping stones. Approximate size: 36" x 12" x 18". Quantity: (2 Ea)

S·P·S

Paul Skidmore, Landscape Architect LLC

Paul Skidmore, ASLA  
Landscape Architect

13Red Maple Trail (608) 826-0032  
Madison, WI 53717 (608) 335-1529 (c)  
paulskidmore@tds.net

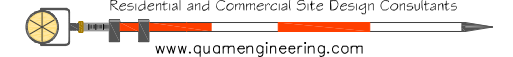
CSM 13261, LOT 2 - CITY OF FITCHBURG

LANDSCAPE PLAN

SHEET: C1.4

DATED: FEBRUARY 16, 2016

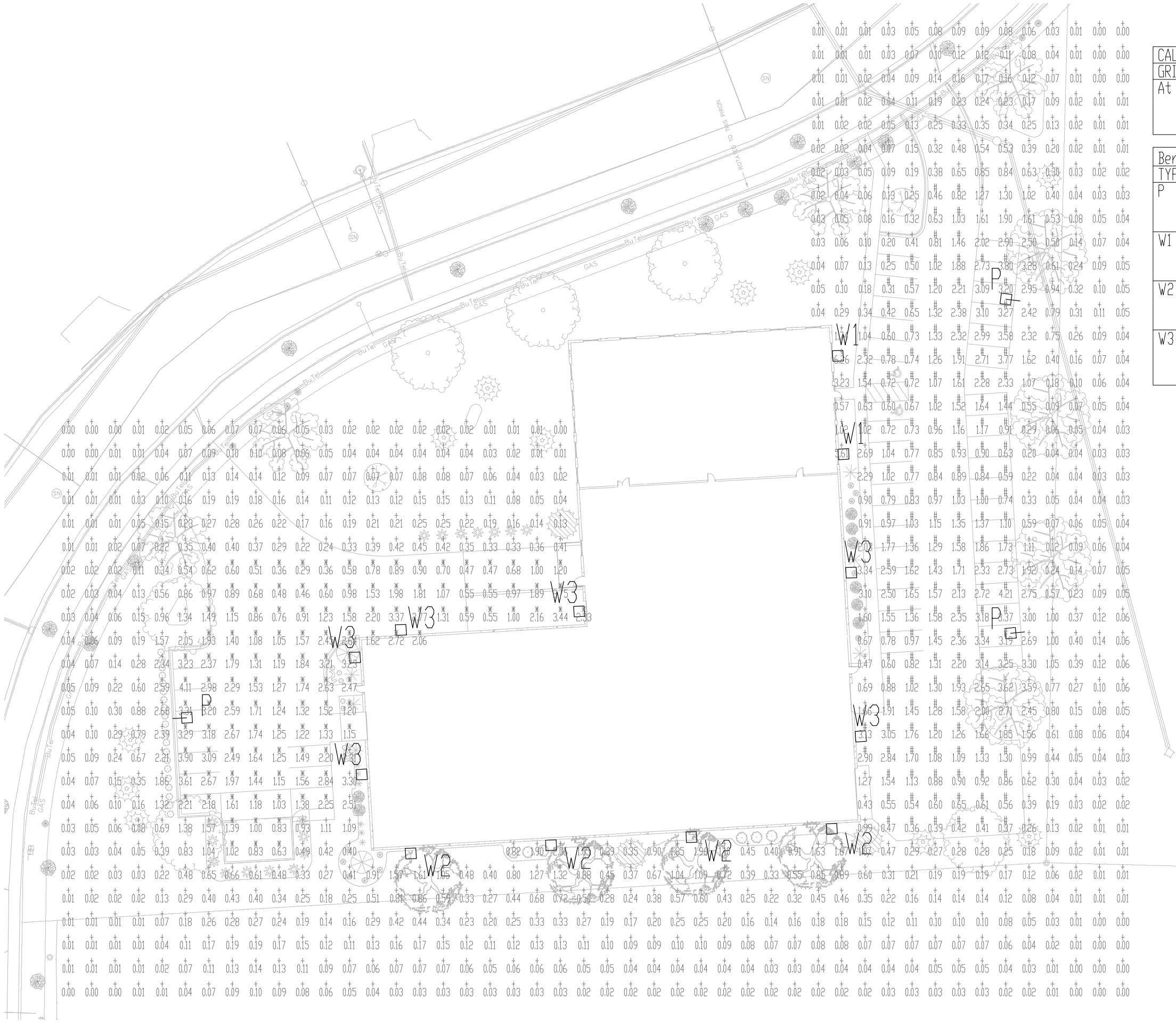
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CALCULATION SUMMARY						
GRID HEIGHT	GROUP	AVE	MAX	MIN	MAX/MIN	AVE/MIN
At Grade	<+> MISC	0.35	6.26	0.00	4082.6	227.19
	<*> WEST PARKING	1.63	4.11	0.29	14.28	5.67
	<#> EAST PARKING	1.48	4.21	0.25	16.76	5.88

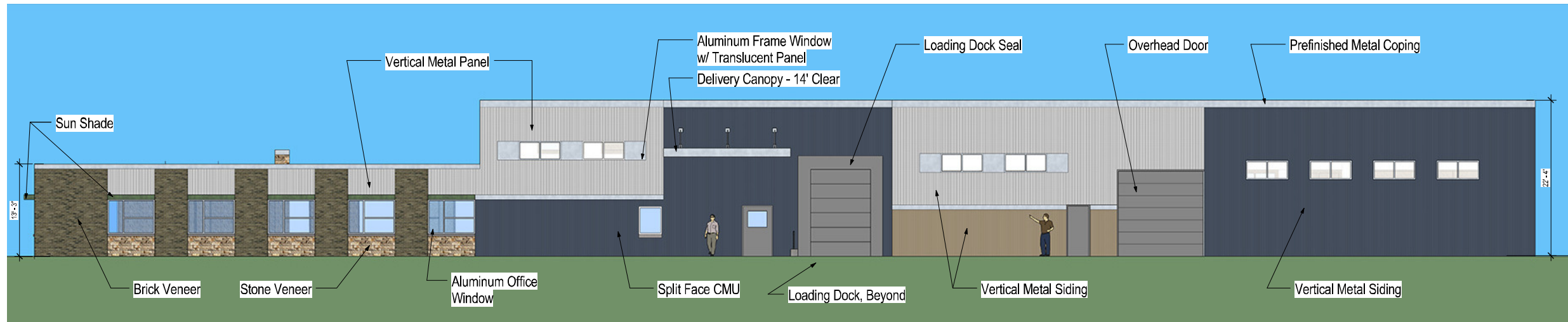
Benjamin Plumbing LUMINAIRE SCHEDULE						
TYPE	DESCRIPTION	LAMP	LUMENS	MOUNTING	LLF	QTY
P	Lumark Prevail (1) PRV-A40-D-UNV-T3-SA-BZ	143w LED	18716	20' POLE 2' BASE	0.95	3
W1	Lumark Crosstour (1) XTOR3A-N	26w LED	2330	12' AFG	0.95	2
W2	Lumark Crosstour (1) XTOR3A-N	26w LED	2330	21' AFG	0.95	4
W3	Lumark Crosstour MAXX (1) XTOR5A-N	43w LED	4138	21' AFG	0.95	6



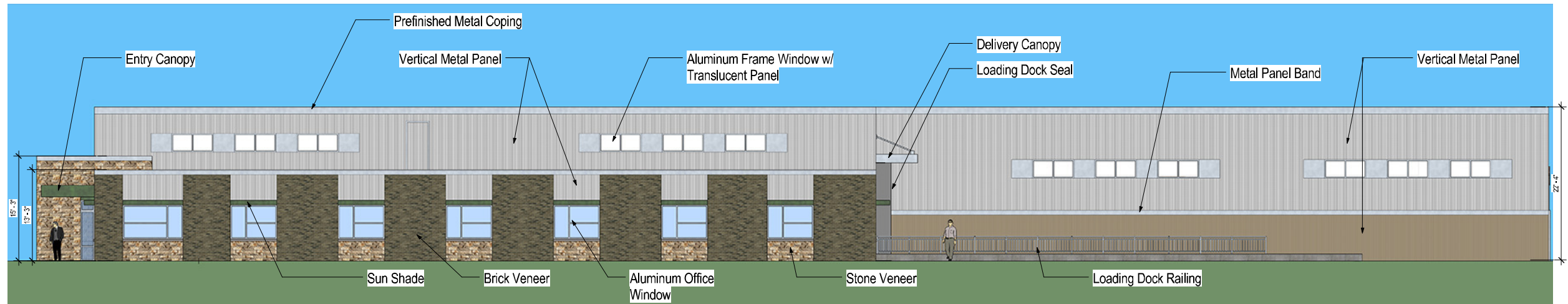
**BENJAMIN  
PLUMBING OFFICE &  
WAREHOUSE**  
FITCHBURG, WI



**1 Exterior View to SE**  
N.T.S.



**2 Elevation West**  
1/8" = 1'-0" @ 24" X 36" sheet



**3 Elevation North**  
1/8" = 1'-0" @ 24" X 36" sheet

DATE OF ISSUE: 16 February 2016

**Architectural &  
Design Review  
Submittal**

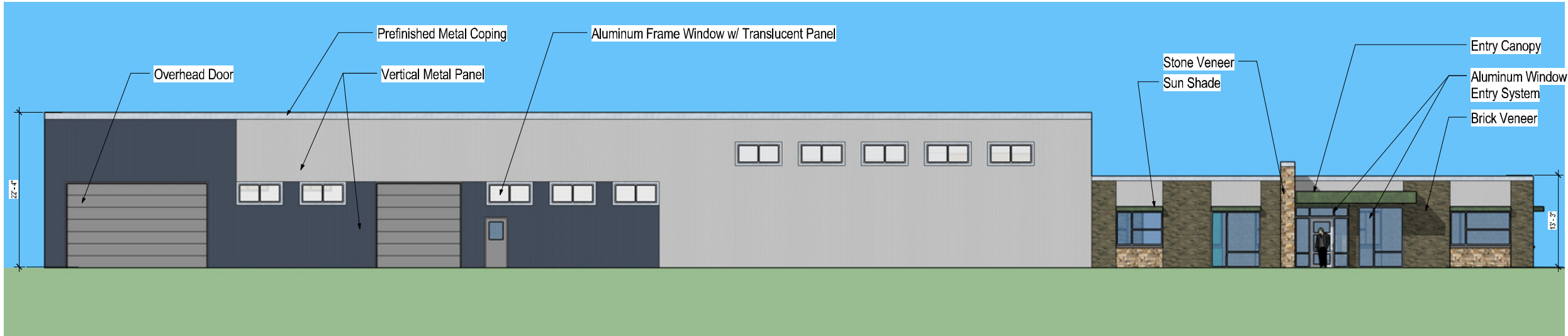
PROJECT # 14132

**EXTERIOR VIEWS**

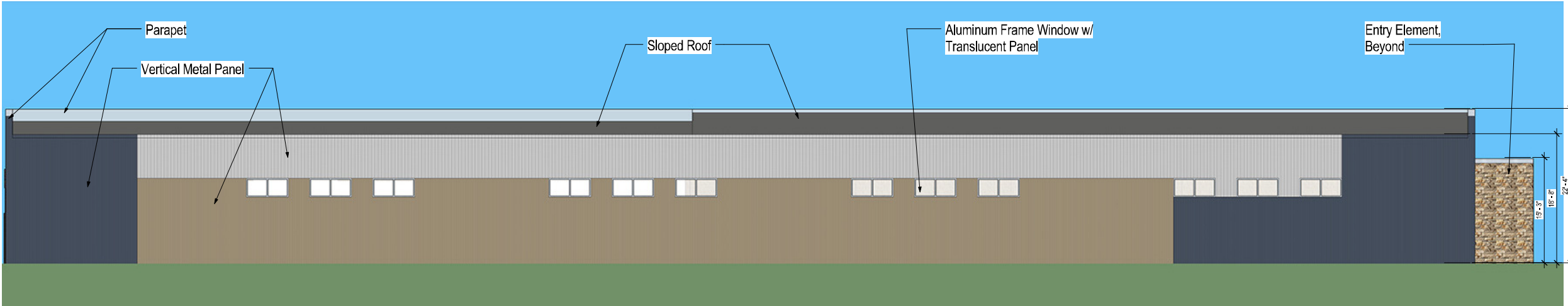
**BENJAMIN  
PLUMBING OFFICE &  
WAREHOUSE**  
FITCHBURG, WI



1 Exterior View at Entry  
N.T.S.



2 Elevation East  
1/8" = 1'-0" @ 24" X 36" sheet



3 Elevation South  
1/8" = 1'-0" @ 24" X 36" sheet

DATE OF ISSUE: 16 February 2016

**Architectural &  
Design Review  
Submittal**

PROJECT # 14132

EXTERIOR VIEWS



## DESCRIPTION

The Prevail LED area, site luminaire combines optical performance, energy efficiency and long term reliability in an advanced, patent pending modern design. Utilizing the latest LED technology, the Prevail luminaire delivers unparalleled uniformity resulting in greater pole spacing. A versatile mount standard arm facilitates ease of installation for both retrofit and new installations. With energy savings greater than 62%, the Prevail fixture replaces 150-400W metal halide fixtures in general area lighting applications such as parking lots, walkways, roadways and building areas.

## SPECIFICATION FEATURES

### Construction

Construction is comprised of a heavy-duty, single-piece die-cast aluminum housing. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. The die-cast aluminum door is tethered to provide easy access to the driver if replacement is required. A one-piece silicone gasket seals the door to the fixture housing. The optics is mounted on a versatile, aluminum plate that dissipates heat from the LEDs resulting in longer life of the fixture. The fixture is IP66 and 3G vibration rated (ANSI C136.31) to insure strength of construction and longevity in the selected application.

### Optics

Precision molded, high efficiency optics are precisely designed to shape the distribution, maximizing efficiency and application spacing. Available in Type II, III, IV and V distributions with lumen packages ranging from 6,100 to 15,100 nominal lumens. Light engine configurations consist of 1 or 2 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L92/60,000 hours at 25°C) per IESNA TM-21. For the ultimate level of spill light control, an optional house side shield accessory can be field or factory installed.

### Electrical

LED drivers are mounted to the fixture for optimal heat sinking and ease of maintenance. Thermal management incorporates both conduction and convection to transfer heat rapidly away from the LED source for optimal efficiency and light output. Class 1 electronic drivers have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Available in 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. 10kV/10 kA surge protection standard. 0-10V dimming driver is standard with leads external to the fixture to accommodate controls capability such as dimming and occupancy. Suitable for ambient temperatures from -40°C to 40°C. Optional 50°C HA (high ambient) available. Standard NEMA 3-PIN twistlock photocontrol receptacle and NEMA 7-PIN twistlock photocontrol receptacles are available as options.

### Controls

The Prevail LED luminaire control options are designed to be simple and cost-effective ASHRAE and California Title 24 compliant solutions. The ANSI C136.41 compliant NEMA 7-PIN receptacle enables wireless dimming when used with compatible photocontrol. An integrated dimming and occupancy sensor is a standalone control option available in on/off (MSP) and bi-level dimming

(MSP/DIM) operation. The optional LumaWatt system is best described as a peer-to-peer wireless network of luminaire-integral sensors that operate in accordance with programmable profiles. Each sensor is capable of motion and photo sensing, metering power consumption and wireless communication.

### Mounting

Standard pole mount arm is bolted directly to the pole and the fixture slides onto the arm and locks in place with a bolt facilitating quick and easy installation. The versatile, patent pending, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the standard mounting arm enables wiring of the fixture without having to access the driver compartment. A knock-out on the standard mounting arm enables round pole mounting. Wall mount and mast arm mounting options are available. Mast arm adapter fits 2-3/8" O.D. tenon.

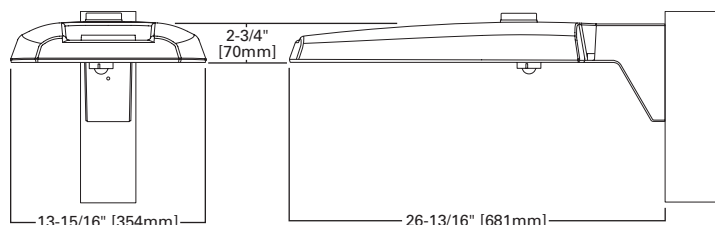
### Finish

Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard color is bronze. Additional colors available in white, grey, black, dark platinum and graphite metallic.

### Warranty

Five-year warranty.

## DIMENSIONS



Catalog #		Type
Project		
Comments		Date
Prepared by		



## PRV PREVAIL

LED

AREA / SITE / ROADWAY  
LUMINAIRE



### CERTIFICATION DATA

UL and cUL Wet Location Listed  
IP66-Rated  
3G Vibration Rated  
ISO 9001  
DesignLights Consortium™ Qualified\*

### ENERGY DATA

Electronic LED Driver  
0.9 Power Factor  
<20% Total Harmonic Distortion  
120-277V/50 and 60Hz,  
347V/60Hz, 480V/60Hz  
-40°C Minimum Temperature Rating  
+40°C Ambient Temperature Rating

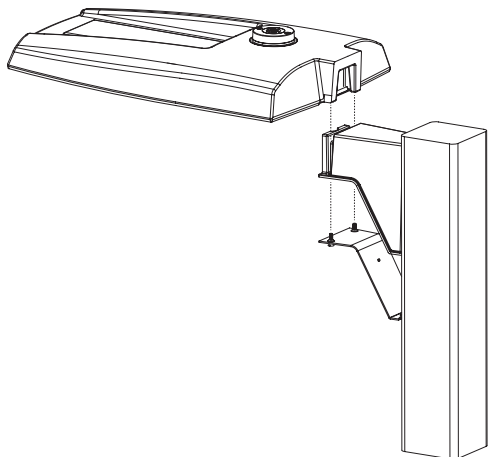
### EPA

Effective Projected Area (Sq. Ft.): 0.75

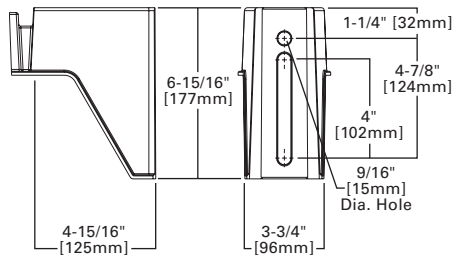
### SHIPPING DATA

Approximate Net Weight:  
20 lbs. (9.09 kgs.)

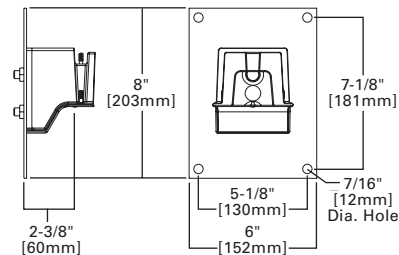
## VERSATILE MOUNT SYSTEM



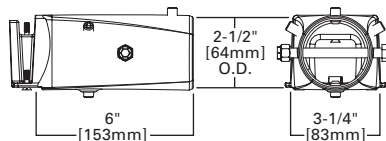
## POLE MOUNT ARM (SA)



## WALL MOUNT (WM)

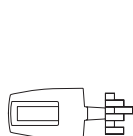
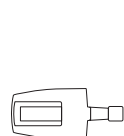
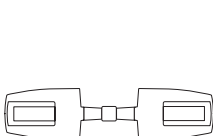
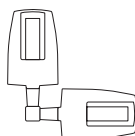
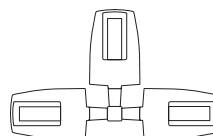
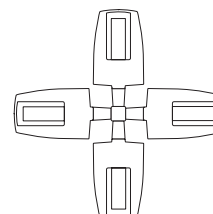


## MAST ARM MOUNT (MA)



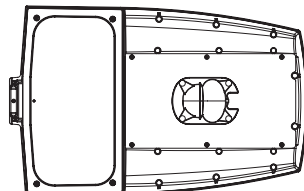
## MOUNTING CONFIGURATIONS AND EPAS

## Wall Mount

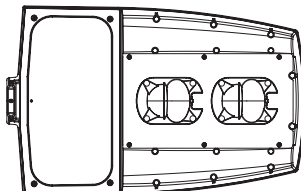
Arm Mount Single  
EPA 0.75Arm Mount 2 @ 180°  
EPA 1.50Arm Mount 2 @ 90°  
EPA 1.50Arm Mount 3 @ 90°  
EPA 2.25Arm Mount 4 @ 90°  
EPA 3.00

## OPTICAL CONFIGURATIONS

## A15 (6,100 Nominal Lumens)



## A25/A40 (10,200/15,100 Nominal Lumens)



## POWER AND LUMENS

Light Engine		A15	A25	A40
Nominal Power (Watts)		57W	87W	143W
Input Current @ 120V (A)		0.49	0.76	1.23
Input Current @ 277V (A)		0.22	0.35	0.54
Input Current @ 347V (A)		0.18	0.28	0.45
Input Current @ 480V (A)		0.13	0.21	0.33
Type II	Lumens	6,139	10,204	15,073
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3
Type III	Lumens	6,192	10,292	15,203
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3
Type IV	Lumens	6,173	10,261	15,157
	BUG Rating	B1-U0-G3	B2-U0-G3	B2-U0-G4
Type V	Lumens	6,393	10,627	15,697
	BUG Rating	B3-U0-G3	B4-U0-G3	B4-U0-G4

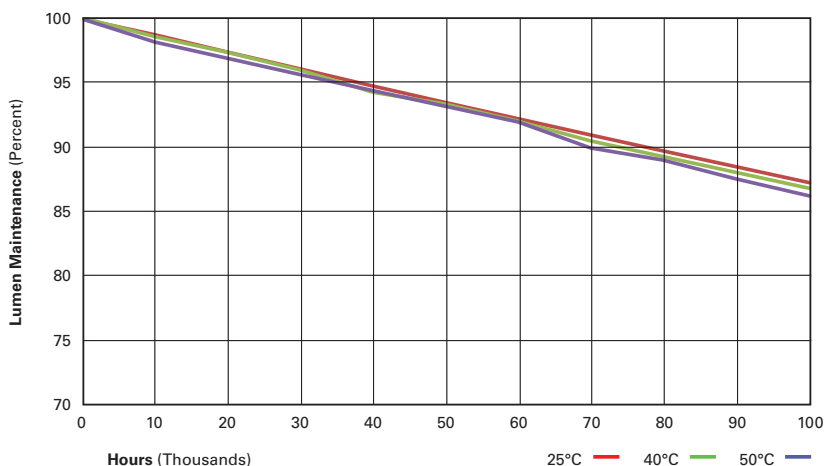
NOTE: Lumen output for standard bronze fixture color. Different housing colors impact lumen output. IES files for the non-standard colors are available upon request.

## LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	Theoretical 100,000 Hours	Theoretical L70 (Hours)*
25°C	> 96%	> 93%	> 92%	> 87%	> 260,000
40°C	> 96%	> 93%	> 92%	> 87%	> 255,000
50°C	> 95%	> 92%	> 91%	> 86%	> 250,000

## LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99



## ORDERING INFORMATION

Sample Number: PRV-A25-D-UNV-T3-SA-BZ

Product Family <sup>1</sup>	Light Engine <sup>2</sup>	Driver <sup>3</sup>	Voltage	Distribution	Mounting	Color <sup>5</sup>
PRV=Prevail	A15=(1 LED) 6,100 Nominal Lumens A25=(2 LEDs) 10,200 Nominal Lumens A40=(2 LEDs) 15,100 Nominal Lumens	D=Dimming (0-10V)	UNV=Universal (120-277V) 347=347V 480=480V <sup>4</sup>	T2=Type II T3=Type III T4=Type IV T5=Type V	SA=Standard Versatile Arm MA=Mast Arm WM=Wall Mount Arm	AP=Grey BZ=Bronze (Standard) BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White
Options (Add as Suffix)				Accessories (Order Separately) <sup>10</sup>		
<b>7030</b> =70 CRI / 3000K CCT <sup>6</sup> <b>7050</b> =70 CRI / 5000K CCT <sup>6</sup> <b>10K</b> =10kV/10kA UL 1449 Fused Surge Protective Device <b>DIMRF-LW</b> =LumaWatt Wireless Sensor, Wide Lens for 8' - 16' Mounting Height <sup>7,*</sup> <b>DIMRF-LN</b> =LumaWatt Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height <sup>7,*</sup> <b>MSP/DIM-L12</b> =Integrated Sensor for Dimming Operation, 8' - 12' Mounting Height <b>MSP/DIM-L30</b> =Integrated Sensor for Dimming Operation, 12' - 30' Mounting Height <b>MSP-L12</b> =Integrated Sensor for ON/OFF Operation, 8' - 12' Mounting Height <b>MSP-L30</b> =Integrated Sensor for ON/OFF Operation, 12' - 30' Mounting Height <b>PER</b> =NEMA 3-PIN Twistlock Photocontrol Receptacle <sup>9</sup> <b>PER7</b> =NEMA 7-PIN Twistlock Photocontrol Receptacle <sup>9</sup> <b>HSS</b> =House Side Shield <b>HA</b> =50°C High Ambient Temperature				<b>WM-XX</b> =Wall Mount Kit <b>MA-XX</b> =Mast Arm Mounting Kit <b>SA-XX</b> =Standard Arm Mounting Kit <b>HS/VERD</b> =House Side Shield <b>MA1010-XX</b> =Single Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1011-XX</b> =2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1012-XX</b> =3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1013-XX</b> =4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1014-XX</b> =2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1015-XX</b> =2 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1016-XX</b> =3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon <b>MA1017-XX</b> =Single Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1018-XX</b> =2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1019-XX</b> =3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1045-XX</b> =4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1048-XX</b> =2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1049-XX</b> =3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon <b>MA1191-XX</b> =2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon <b>OA/RA1013</b> =Photocontrol Shorting Cap <b>OA/RA1014</b> =NEMA Photocontrol - 120V <b>OA/RA1016</b> =NEMA Photocontrol - Multi-Tap 105-285V <b>OA/RA1027</b> =NEMA Photocontrol - 480V <b>OA/RA1201</b> =NEMA Photocontrol - 347V <b>ISHH-01</b> =Integrated Sensor Programming Remote		

## NOTES:

- DesignLights Consortium™ Qualified and classified for both DLC Standard and DLC Premium, refer to [www.designlights.org](http://www.designlights.org) for details.
- Standard 4000K CCT and 70 CRI.
- Consult factory for driver surge protection values.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
- Different housing colors impact lumen output. IES files for the non-standard colors are available upon request.
- Extended lead times apply. Use dedicated IES files for 3000K and 5000K when performing layouts. These files are published on the Prevail luminaire product page on the website.
- LumaWatt wireless sensors are factory installed and require network components RF-EM-1, RF-GW-1 and RF-ROUT-1 in appropriate quantities. See website for LumaWatt application information.
- LumaWatt wireless system is not available with photocontrol receptacle (Not needed).
- Not available with MSP or DIMRF options.
- Replace XX with paint color.

## STOCK ORDERING INFORMATION

Stock Sample Number: PRVS-A25-UNV-T3

Product Family	Light Engine	Voltage	Distribution	Options (Add as Suffix)
PRVS=Prevail	A15=(1 LED) 6,100 Nominal Lumens A25=(2 LEDs) 10,200 Nominal Lumens A40=(2 LEDs) 15,100 Nominal Lumens	UNV=Universal (120-277V) 347=347V	T3=Type III T4=Type IV	MSP/DIM-L30=Integrated Sensor for Dimming Operation, Maximum 30' Mounting Height

NOTE: Bronze only, 4000K CCT, 120-277V, 347V, standard mounting arm, standard non-fused 10kV MOV and 0-10V dimming.



## SSS SQUARE STRAIGHT STEEL

Catalog #		Type
Project		
Comments		Date
Prepared by		

### FEATURES

- ASTM Grade steel base plate with ASTM A366 base cover
- Hand hole assembly 3" x 5" on 5" and 6" pole; and 2" x 4" on 4" pole
- 10'-39' mounting heights
- Drilled or tenon (specify)

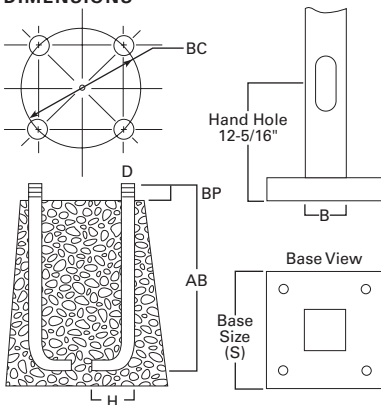
### ORDERING INFORMATION

SAMPLE NUMBER: SSS5A20SFM1XG

Product Family	Shaft Size (Inches) <sup>1</sup>	Wall Thickness (Inches)	Mounting Height (Feet)	Base Type	Finish	Mounting Type	Number and Location of Arms	Arm Lengths (Feet)	Options (Add as Suffix)
SSS=Square Straight Steel	4=4" 5=5" 6=6"	A=0.120" M=0.188" X=0.250"	10=10' 15=15' 20=20' 25=25' 30=30' 35=35' 39=39'	S=Square Steel Base	F=Dark Bronze G=Galvanized Steel J=Summit White K=Carbon Bronze L=Dark Platinum P=Primer Powder Coat R=Hartford Green S=Silver T=Graphite Metallic V=Grey W=White X=Custom Color Y=Black	2=2-3/8" O.D. Tenon (4" Long) 3=3-1/2" O.D. Tenon (5" Long) 4=4" O.D. Tenon (6" Long) 5=3" O.D. Tenon (4" Long) 6=2-3/8" O.D. Tenon (6" Long) 7=4" O.D. Tenon (10" Long) A=Type A Drilling C=Type C Drilling E=Type E Drilling F=Type F Drilling G=Type G Drilling J=Type J Drilling K=Type K Drilling M=Type M Drilling R=Type R Drilling Z=Type Z Drilling	1=Single 2=2 at 180° 3=Triple <sup>2</sup> 4=4 at 90° 5=2 at 90° X=None	X=None	A=1/2" Tapped Hub (Specify location desired) B=3/4" Tapped Hub (Specify location desired) C=Convenience Outlet <sup>3</sup> E=GFCI Convenience Outlet <sup>3</sup> G=Ground Lug H=Additional Hand Hole <sup>4</sup> L=Drilled for Bumper Glitter V=Vibration Damper

**NOTES:** 1. All shaft sizes nominal. 2. Square poles are 3 at 90°, round poles are 3 at 120°. 3. Outlet is located 4' above base and on same side of pole as hand hole, unless specified otherwise. Receptacle not included, provision only. 4. Additional hand hole is located 12" below pole top and 90° from standard hand hole location, unless otherwise specified.

### DIMENSIONS



**WARNING:** The use of unauthorized accessories such as banners, signs, cameras or pennants for which the pole was not designed voids the pole warranty from Eaton's Cooper Lighting business and may result in pole failure causing serious injury or property damage. Upon request, Eaton's Cooper Lighting business will supply information regarding total loading capacity. The pole warranty from Eaton's Cooper Lighting business is void unless poles are used and installed as a complete pole/luminaire combination. This warranty specifically excludes failure as the result of a third party act or omission, misuse, unanticipated uses, fatigue failure or similar phenomena resulting from induced vibration, harmonic oscillation or resonance associated with movement of air currents around the product.

Specifications and dimensions subject to change without notice. Consult your Eaton's Cooper Lighting business representative or visit [www.cooperlighting.com](http://www.cooperlighting.com) for available options, accessories and ordering information.



**Effective Projected Area (At Pole Top)**

Mounting Height (Feet)	Catalog Number <sup>1,2</sup>	Wall Thickness (Inches)	Base Square <sup>3</sup> (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection <sup>3</sup> (Inches)	Shaft Size <sup>3</sup> (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) <sup>4</sup>				Max. Fixture Load - Includes Bracket (Pounds)
MH			S	BC	BP	B	D x AB x H		80 mph	90 mph	100 mph	110 mph	
10	SSS4A10S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	85	30.0	22.0	17.0	13.0	100
15	SSS4A15S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	118	15.0	11.5	8.7	6.5	100
20	SSS4A20S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	150	8.7	5.9	3.9	2.5	150
20	SSS5A20S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	183	15.4	11.1	7.9	5.5	150
25	SSS4A25S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	181	3.7	1.7	0.3	--	200
25	SSS5A25S	0.120	10-1/2	11	5	5	3/4 x 25 x 3	222	9.3	6.0	3.5	1.6	200
25	SSS6A25S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	284	9.9	6.1	3.5	1.2	200
30	SSS5A30S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	260	4.7	2.1	--	--	200
30	SSS5M30S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	392	10.4	6.4	3.5	1.5	200
30	SSS6A30S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	330	4.3	1.4	--	--	200
30	SSS6M30S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	489	19.0	13.0	8.7	5.6	200
35	SSS5M35S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	453	5.8	2.8	--	--	200
35	SSS6M35S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	564	12.8	7.2	3.7	1.0	200
35	SSS6X35S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	738	16.5	11.0	6.8	3.5	200
39	SSS6M39S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	618	7.3	3.0	--	--	300
39	SSS6X39S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	816	13.0	7.0	3.7	0.8	300

**Effective Projected Area (Two Feet Above Pole Top)**

Mounting Height (Feet)	Catalog Number <sup>1,2</sup>	Wall Thickness (Inches)	Base Square <sup>3</sup> (Inches)	Bolt Circle Diameter (Inches)	Anchor Bolt Projection <sup>3</sup> (Inches)	Shaft Size <sup>3</sup> (Inches)	Anchor Bolt Diameter x Length x Hook (Inches)	Net Weight (Pounds)	Maximum Effective Projected Area (Square Feet) <sup>4</sup>				Max. Fixture Load - Includes Bracket (Pounds)
MH			S	BC	BP	B	D x AB x H		80 mph	90 mph	100 mph	110 mph	
10	SSS4A10S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	85	23.0	17.5	14.0	11.0	100
15	SSS4A15S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	118	13.4	10.0	7.5	5.7	100
20	SSS4A20S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	150	7.6	5.2	3.4	2.1	150
20	SSS5A20S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	183	13.8	9.9	7.1	4.9	150
25	SSS4A25S	0.120	10-1/2	11	4-1/2	4	3/4 x 25 x 3	181	3.4	1.6	0.3	--	200
25	SSS5A25S	0.120	10-1/2	11	5	5	3/4 x 25 x 3	222	8.5	5.5	3.2	1.5	200
25	SSS6A25S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	284	9.1	5.6	3.0	1.2	200
30	SSS5A30S	0.120	10-1/2	11	4-1/2	5	3/4 x 25 x 3	260	1.8	--	--	--	200
30	SSS5M30S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	392	9.6	5.9	1.9	0.2	200
30	SSS6A30S	0.120	12-1/2	12-1/2	5	6	1 x 36 x 4	330	4.1	1.3	--	--	200
30	SSS6M30S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	489	18.5	12.5	8.4	5.3	200
35	SSS5M35S	0.188	10-1/2	11	4-1/2	5	3/4 x 25 x 3	453	5.5	2.4	--	--	200
35	SSS6M35S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	564	11.8	7.0	3.5	1.0	200
35	SSS6X35S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	738	16.0	10.5	6.4	3.4	200
39	SSS6M39S	0.188	12-1/2	12-1/2	5	6	1 x 36 x 4	618	7.0	2.4	--	--	300
39	SSS6X39S	0.250	12-1/2	12-1/2	5	6	1 x 36 x 4	816	12.0	6.7	3.0	0.5	300

## NOTES:

1. Catalog number includes pole with hardware kit. Anchor bolts not included. Before installing, make sure proper anchor bolts and templates are obtained from Eaton's Cooper Lighting business.

2. Tenon size or machining for rectangular arms must be specified. Hand hole position relative to drill location.

3. Shaft size, base square, anchor bolts and projections may vary slightly. All dimensions nominal.

4. EPAs based on shaft properties with wind normal to flat. EPAs calculated using base wind velocity as indicated plus 30% gust factor.

## DESCRIPTION

The patented Lumark Crosstour™ MAXX LED Wall Pack Series of luminaires provides low-profile architectural style with super bright, energy-efficient LEDs. The rugged die-cast aluminum construction, back box with secure lock hinges, stainless steel hardware along with a sealed and gasketed optical compartment make Crosstour impervious to contaminants. The Crosstour MAXX wall luminaire is ideal for wall/ surface, inverted mount for facade/canopy illumination, perimeter and site lighting. Typical applications include pedestrian walkways, building entrances, multi-use facilities, industrial facilities, perimeter parking areas, storage facilities, institutions, schools and loading docks.

## SPECIFICATION FEATURES

### Construction

Low-profile LED design with rugged one-piece, die-cast aluminum back box and hinged removable door. Matching housing styles incorporate both a full cutoff and refractive lens design. Full cutoff and refractive lens models are available in 41W and 79W. Patent pending secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes four 1/2" NPT threaded conduit entry points. The back box is secured by four lag bolts (supplied by others). External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Not recommended for car wash applications.

### Optical

Silicone sealed optical LED chamber incorporates a custom engineered reflector providing high-efficiency illumination. Full cutoff models integrate an impact-resistant molded refractive prism optical lens assembly meeting requirements for Dark Sky compliance. Refractive lens models incorporate a molded lens assembly designed for maximum

forward throw. Solid state LED Crosstour luminaires are thermally optimized with two lumen packages in cool 5000K or neutral warm 3500K LED color temperature (CCT).

### Electrical

LED driver is mounted to the die-cast aluminum housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 41W and 79W models operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C [122°F] models available. Crosstour MAXX luminaires maintain greater than 90% of initial light output after 72,000 hours of operation. Four half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz, 480V 60Hz, or 347V 60Hz electrical operation. 480V is compatible for use with 480V Wye systems only.

### Emergency Egress

Optional integral cold weather

battery emergency egress includes emergency operation test switch, an AC-ON indicator light and a premium extended rated sealed maintenance-free nickel-metal hydride battery pack. The separate emergency lighting LEDs are wired to provide redundant emergency lighting. Listed to UL Standard 924, Emergency Lighting.

### Area and Site Pole Mounting

Optional extruded aluminum 6-1/2" arm features internal bolt guides for supplied twin support rods, allowing for easy positioning of the fixture during installation to pole. Supplied with round plate adapter plate. Optional tenon adapter fits 2-3/8" or 3-1/2" O.D. Tenon.

### Finish

Crosstour MAXX is protected with a super TGIC carbon bronze or summit white polyester powder coat paint. Super TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

### Warranty

Five-year warranty.



## XTOR CROSSTOUR MAXX LED

**APPLICATIONS:**  
WALL / SURFACE  
INVERTED  
SITE LIGHTING



### CERTIFICATION DATA

UL/cUL Wet Location Listed  
LM79 / LM80 Compliant  
ROHS Compliant  
NOM Compliant Models  
3G Vibration Tested  
UL924 Listed (CBP Models)  
IP66 Rated  
DesignLights Consortium® Qualified\*

### TECHNICAL DATA

40°C Ambient Temperature  
External Supply Wiring 90°C Minimum

### EPA

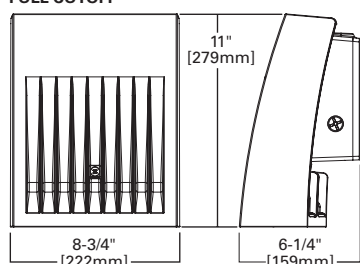
Effective Projected Area (Sq. Ft.):  
XTOR5A/XTOR9A=0.54  
With Pole Mount Arm=0.98

### SHIPPING DATA:

Approximate Net Weight:  
12-15 lbs. [5.4-6.8 kgs.]

## DIMENSIONS

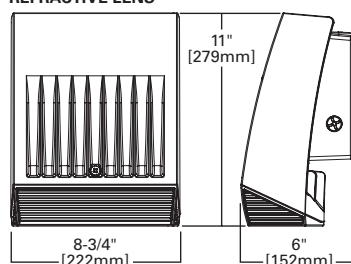
### FULL CUTOFF



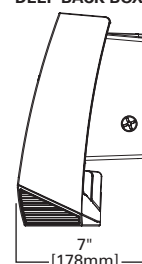
### DEEP BACK BOX



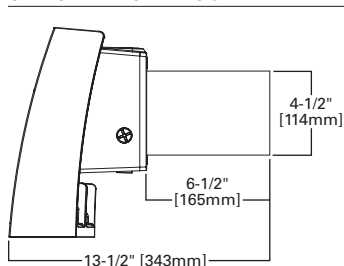
### REFRACTIVE LENS



### DEEP BACK BOX

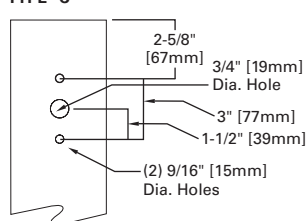


### OPTIONAL POLE MOUNT ARM

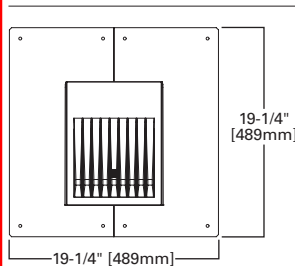


### ARM DRILLING

#### TYPE "C"



### ESCUTCHEON PLATES



POWER AND LUMENS BY FIXTURE MODEL

LED Information	XTOR5A	XTOR5ARL	XTOR5A-N	XTOR5ARL-N
Delivered Lumens	4,409	4,831	4,136	3,744
B.U.G. Rating	B1-U0-G1	B1-U0-G2	B1-U0-G1	B1-U0-G2
CCT (Kelvin)	5000K	5000K	3500K	3500K
CRI (Color Rendering Index)	65	65	70	70
Power Consumption (Watts)	41W	41W	43W	42W

LED Information	XTOR9A	XTOR9ARL	XTOR9A-N	XTOR9ARL-N
Delivered Lumens	7,079	7,367	6,468	6,036
B.U.G. Rating	B1-U0-G1	B1-U0-G2	B1-U0-G1	B1-U0-G2
CCT (Kelvin)	5000K	5000K	3500K	3500K
CRI (Color Rendering Index)	65	65	70	70
Power Consumption (Watts)	79W	82W	79W	81W

EGRESS Information	XTOR5A and XTOR9A Full Cutoff CBP Egress LED	XTOR5A and XTOR9A Refractive Lens CBP Egress LED
Delivered Lumens	509	468
B.U.G. Rating	N.A.	N.A.
CCT (Kelvin)	4000K	4000K
CRI (Color Rendering Index)	65	65
Power Consumption (Watts)	1.8W	1.8W

CURRENT DRAW

Voltage	Model Series			
	XTOR5A	XTOR9A	XTOR5A-CBP (Fixture/Battery)	XTOR9A-CBP (Fixture/Battery)
120V	0.35	0.67	0.60/0.25	0.92/0.25
208V	0.20	0.39	--	--
240V	0.18	0.34	--	--
277V	0.15	0.29	0.36/0.21	0.50/0.21
347V	0.14	0.26	--	--
480V	0.10	0.19	--	--

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	Theoretical L70 (Hours)
<b>XTOR5A Model</b>		
25°C	> 92%	> 290,000
40°C	> 91%	> 290,000
50°C	> 89%	> 250,000
<b>XTOR9A Model</b>		
25°C	> 91%	> 260,000
40°C	> 90%	> 230,000
50°C	> 82%	> 130,000

## ORDERING INFORMATION

Sample Number: XTOR5A-N-WT-PC1

Series <sup>1</sup>	LED Kelvin Color	Housing Color	Options (Add as Suffix)
<b>Full Cutoff</b> <b>XTOR5A=41W</b> <b>XTOR9A=79W</b>  <b>Refractive Lens</b> <b>XTOR5ARL=41W</b> <b>XTOR9ARL=79W</b>	<b>[Blank]</b> =Bright White (Standard) 5000K <b>N</b> =Neutral Warm White, 3500K	<b>[Blank]</b> =Carbon Bronze (Standard) <b>WT</b> =Summit White	<b>347V</b> =347V <sup>2, 3, 4, 5</sup> <b>480V</b> =480V <sup>2, 3, 4, 5, 6</sup> <b>PC1</b> =Photocontrol 120V <sup>7</sup> <b>PC2</b> =Photocontrol 208-277V <sup>7, 8</sup> <b>DIM</b> =0-10V Dimming Driver <sup>2</sup> <b>PMA</b> =Pole Mount Arm (C Drilling) with Round Adapter <sup>3</sup> <b>HA</b> =50°C High Ambient <sup>5</sup> <b>MS-L20</b> =Motion Sensor for ON/OFF Operation <sup>2, 3, 9, 12</sup> <b>MS/DIM-L20</b> =Motion Sensor for Dimming Operation <sup>2, 3, 9, 10, 11, 12</sup> <b>CBP</b> =Cold Weather Battery Pack <sup>2, 3, 10, 13</sup>
<b>Accessories (Order Separately)</b>			
<b>WG-XTORMX</b> =Crosstour MAXX Wire Guard <b>PB120V</b> =Field Installed 120V Photocontrol <b>PB277V BUTTON PC</b> =Field Installed 208-277V Photocontrol <sup>8</sup> <b>VA1040-XX</b> =Single Tenon Adapter for 3-1/2" O.D. Tenon <sup>14</sup> <b>VA1041-XX</b> =2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon <sup>14</sup> <b>VA1042-XX</b> =3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon <sup>14</sup> <b>VA1043-XX</b> =4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon <sup>14</sup> <b>VA1044-XX</b> =2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon <sup>14</sup> <b>VA1045-XX</b> =3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon <sup>14</sup>		<b>VA1046-XX</b> =2 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon <sup>14</sup> <b>VA1033-XX</b> =Single Tenon Adapter for 2-3/8" O.D. Tenon <sup>14</sup> <b>VA1034-XX</b> =2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon <sup>14</sup> <b>VA1035-XX</b> =3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon <sup>14</sup> <b>VA1036-XX</b> =4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon <sup>14</sup> <b>VA1037-XX</b> =2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon <sup>14</sup> <b>VA1038-XX</b> =3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon <sup>14</sup> <b>VA1039-XX</b> =2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon <sup>14</sup> <b>EWP/XTORMX</b> =Escutcheon Wall Plate, Carbon Bronze <b>EWP/XTORMX-WT</b> =Escutcheon Wall Plate, Summit White	

**NOTES:** **1** DesignLights Consortium® Qualified. Refer to [www.designlights.org](http://www.designlights.org) Qualified Products List under Family Models for details. **2** Not available with HA option. **3** Deep back box is standard for 347V, 480V, CBP, PMA, MS-L20 and MS/DIM-L20. **4** Not available with CBP option. **5** Thru-branch wiring not available with HA option or with 347V. **6** Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). **7** Not available with MS-L20 and MS/DIM-L20 options. **8** Use PC2 with 347V or 480V option for photocontrol. Factory wired to 208-277V lead. **9** For use in downlight orientation only. Optimal coverage at mounting heights of 9'-20'. **10** 120V or 277V only. **11** Factory set to 50% power reduction after 15-minutes of inactivity. Dimming driver included. **12** Includes integral photo sensor. **13** Operating temperatures -20°C to 25°C. **14** Replace XX with CB for carbon bronze or WT for summit white.

## STOCK ORDERING INFORMATION

41W Series	79W Series
<b>Full Cutoff</b>	
XTOR5A=41W, 5000K, Carbon Bronze	XTOR9A=79W, 5000K, Carbon Bronze
XTOR5A-PC1=41W, 5000K, 120V PC, Carbon Bronze	XTOR9A-PC1=79W, 5000K, 120V PC, Carbon Bronze
XTOR5A-WT= 41W, 5000K, Summit White	XTOR9A-WT=79W, 5000K, Summit White
XTOR5A-N=41W, 3500K, Carbon Bronze	XTOR9A-PC2=79W, 5000K, 208-277V PC, Carbon Bronze
	XTOR9A-480V=79W, 5000K, 480V, Carbon Bronze
	XTOR9A-PMA=79W, 5000K, Pole Mount Arm, Carbon Bronze
<b>Refractive Lens</b>	
XTOR5ARL=41W, 5000K, Refractive Lens, Carbon Bronze	XTOR9ARL=79W, 5000K, Refractive Lens, Carbon Bronze
XTOR5ARL-PC1=41W, 5000K, Refractive Lens, 120V PC, Carbon Bronze	XTOR9ARL-PC1=79W, 5000K, Refractive Lens, 120V PC, Carbon Bronze
XTOR5ARL-WT=41W, 5000K, Refractive Lens, Summit White	XTOR9ARL-WT=79W, 5000K, Refractive Lens, Summit White
XTOR5ARL-N=41W, 3500K, Refractive Lens, Carbon Bronze	XTOR9ARL-PC2=79W, 5000K, Refractive Lens, 208-277V PC, Carbon Bronze
	XTOR9ARL-480V=79W, 5000K, Refractive Lens, 480V, Carbon Bronze
	XTOR9ARL-PMA=79W, 5000K, Refractive Lens, Pole Mount Arm, Carbon Bronze

## 5-DAY QUICK SHIP ORDERING INFORMATION

41W Series	79W Series
<b>Full Cutoff</b>	
XTOR5A-CBP=41W, 5000K, Carbon Bronze, Cold Weather Battery Pack	XTOR9A-CBP=79W, 5000K, Carbon Bronze, Cold Weather Battery Pack
XTOR5A-480V=41W, 5000K, Carbon Bronze, 480V	XTOR9A-N=79W, 3500K, Carbon Bronze
XTOR5A-PC2=41W, 5000K, Carbon Bronze, 208-277V PC	
<b>Refractive Lens</b>	
XTOR5ARL-PC2=41W, Refractive Lens, 5000K, Carbon Bronze, 208-277V PC	XTOR9ARL-CBP=79W, Refractive Lens, 5000K, Carbon Bronze, Cold Weather Battery Pack
XTOR5ARL-CBP=41W, Refractive Lens, 5000K, Carbon Bronze, Cold Weather Battery Pack	XTOR9ARL-N=79W, Refractive Lens, 3500K, Carbon Bronze
XTOR5ARL-480V=41W, Refractive Lens, 5000K, Carbon Bronze, 480V	



## DESCRIPTION

The patented Lumark Crosstour™ LED Wall Pack Series of luminaires provides an architectural style with super bright, energy efficient LEDs. The low-profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Crosstour impervious to contaminants. The Crosstour wall luminaire is ideal for wall/surface, inverted mount for façade/canopy illumination, post/bollard, site lighting, floodlight and low level pathway illumination including stairs. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading docks test.

## SPECIFICATION FEATURES

### Construction

Slim, low-profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and large design. The small housing is available in 7W and 18W. The large housing is available in the 26W model. Patent pending secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes three (3) half-inch, NPT threaded conduit entry points. The universal back box supports both the small and large forms and mounts to standard 3-1/2" to 4" round and octagonal, 4" square, single gang and masonry junction boxes. Key hole gasket allows for adaptation to junction box or wall. External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Minimum 5" wide pole for site lighting application. Not recommended for car wash applications.

### Optical

Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized reflector providing high-efficiency illumination. Optical assembly includes impact-resistant tempered glass and meets IESNA requirements for full cutoff compliance. Solid state LED Crosstour luminaires are thermally optimized with five (5) lumen packages in cool 5000K or neutral warm 3500K LED color temperature (CCT).

### Electrical

LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 7W models operate in -40°C to 40°C [-40°F to 104°F]. 18W and 26W models operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C models available. Crosstour luminaires maintain greater than 90% of initial

light output after 72,000 hours of operation. Three (3) half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized electrical wiring compartment. Integral LED electronic driver incorporates surge protection. 120-277V 50/60Hz or 347V 60Hz models.

### Finish

Crosstour is protected with a Super durable TGIC carbon bronze or summit white polyester powder coat paint. Super durable TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

### Warranty

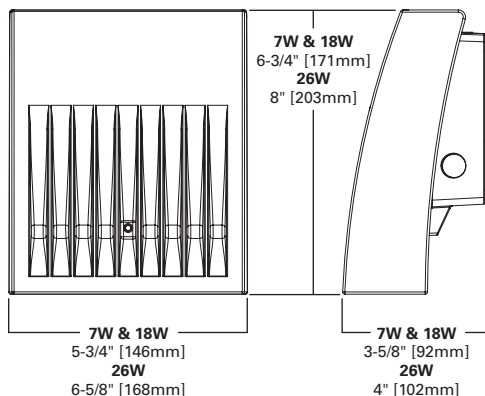
Five-year warranty.



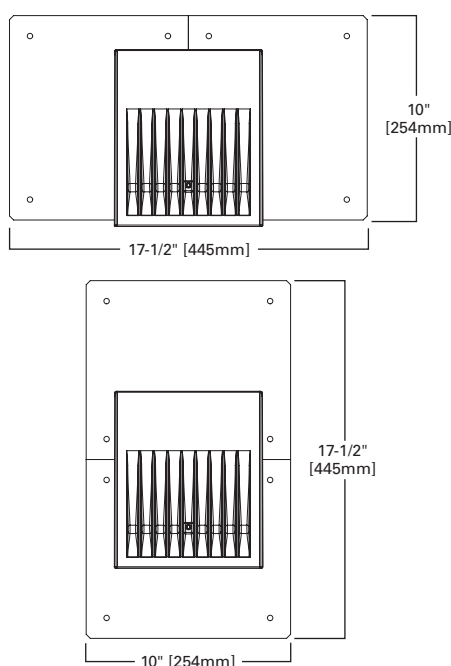
## XTOR CROSSTOUR LED

**APPLICATIONS:**  
WALL / SURFACE  
POST / BOLLARD  
LOW LEVEL  
FLOODLIGHT  
INVERTED  
SITE LIGHTING

## DIMENSIONS



## ESCUTCHEON PLATES



## CERTIFICATION DATA

UL/cUL Wet Location Listed  
LM79 / LM80 Compliant  
ROHS Compliant  
ADA Compliant  
NOM Compliant Models  
IP66 Ingressed Protection Rated  
Title 24 Compliant

## TECHNICAL DATA

40°C Maximum Ambient Temperature  
External Supply Wiring 90°C Minimum

## EPA

Effective Projected Area:  
(Sq. Ft.)  
XTOR1A/XTOR2A=0.34  
XTOR3A = 0.45

## SHIPPING DATA:

Approximate Net Weight:  
3.7 – 5.25 lbs. [1.7 – 2.4 kgs.]

## LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	Theoretical L70 (Hours)
<b>XTOR1A Model</b>		
25°C	> 92%	> 290,000
40°C	> 92%	> 290,000
50°C	> 91%	> 270,000
<b>XTOR2A Model</b>		
25°C	> 91%	> 270,000
40°C	> 90%	> 260,000
50°C	> 88%	> 225,000
<b>XTOR3A Model</b>		
25°C	> 91%	> 280,000
40°C	> 91%	> 270,000
50°C	> 89%	> 240,000

## LUMENS - CRI/CCT TABLE

LED Information	XTOR1A	XTOR2A	XTOR2A-N	XTOR3A	XTOR3A-N
Delivered Lumens (Wall Mount)	722	1,633	1,523	2,804	2,284
Delivered Lumens (With Flood Accessory Kit) <sup>1</sup>	468	1,060	978	2,168	1,738
B.U.G. Rating <sup>2</sup>	B0-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0
CCT (Kelvin)	5,000	5,000	3,500	5,000	3,500
CRI (Color Rendering Index)	65	65	70	65	70
Power Consumption (Watts)	7W	18W	18W	26W	26W

**NOTES:** 1 Includes shield and visor. 2 B.U.G. Rating does not apply to floodlighting.

## CURRENT DRAW

Voltage	Model Series		
	XTOR1A	XTOR2A	XTOR3A
120V	0.05A	0.15A	0.22A
208V	0.03A	0.08A	0.13A
240V	0.03A	0.07A	0.11A
277V	0.03A	0.06A	0.10A
347V	0.025A	0.058A	0.082A

## ORDERING INFORMATION

Sample Number: XTOR2A-N-WT-PC1

Series	LED Kelvin Color	Housing Color	Options (Add as Suffix)	Accessories (Order Separately)
XTOR1A=Small Door, 7W XTOR2A=Small Door, 18W XTOR3A=Small Door, 26W	[Blank]=Bright White (Standard) 5000K N=Neutral Warm White, 3500K <sup>1</sup>	[Blank]=Carbon Bronze (Standard) WT=Summit White	PC1=Photocontrol 120V <sup>2</sup> PC2=Photocontrol 208-277V <sup>2,3</sup> 347V=347V <sup>4</sup> HA=50°C High Ambient <sup>4</sup>	WG/XTOR=Wire Guard <sup>5</sup> XTORFLD-KNC=Knuckle Floodlight Kit <sup>6</sup> XTORFLD-TRN=Trunnion Floodlight Kit <sup>6</sup> XTORFLD-KNC-WT=Knuckle Floodlight Kit, Summit White <sup>6</sup> XTORFLD-TRN-WT=Trunnion Floodlight Kit, Summit White <sup>6</sup> EWP/XTOR=Escutcheon Wall Plate, Carbon Bronze EWP/XTOR-WT=Escutcheon Wall Plate, Summit White

**NOTES:** 1 XTOR1A not available in 3500K. 2 Photocontrols are factory installed. 3 Order PC2 for 347V models. 4 Thru-branch wiring not available with HA option or with 347V. 5 Wire guard for wall/surface mount. Not for use with floodlight kit accessory. 6 Floodlight kit accessory supplied with knuckle (KNC) or trunnion (TRN) base, small and large top visors and small and large impact shields.

## STOCK ORDERING INFORMATION

7W Series	18W Series	26W Series
XTOR1A=7W, 5000K, Carbon Bronze	XTOR2A=18W, 5000K, Carbon Bronze	XTOR3A=26W, 5000K, Carbon Bronze
XTOR1A-WT=7W, 5000K, Summit White	XTOR2A-N=18W, 3500K, Carbon Bronze	XTOR3A-N=26W, 3500K, Carbon Bronze
XTOR1A-PC1=7W, 5000K, 120V PC, Carbon Bronze	XTOR2A-WT=18W, Summit White	XTOR3A-WT=26W, Summit White
	XTOR2A-PC1=18W, 120V PC, Carbon Bronze	XTOR3A-PC1=26W, 120V PC, Carbon Bronze

## 5-DAY QUICK SHIP ORDERING INFORMATION

7W Series	18W Series	26W Series
XTOR1A-WT-PC1=7W, 5000K, Summit White, 120V PC	XTOR2A-PC2=18W, 5000K, 208-277V PC, Carbon Bronze	XTOR3A-PC2=26W, 5000K, 208-277V PC, Carbon Bronze
	XTOR2A-WT-PC1=18W, 5000K, Summit White, 120V PC	XTOR3A-WT-PC1=26W, 5000K, Summit White, 120V PC
	XTOR2A-WT-PC2=18W, 5000K, Summit White, 208-277V PC	XTOR3A-WT-PC2=26W, 5000K, Summit White, 208-277V PC
	XTOR2A-N-WT=18W, 3500K, Summit White	XTOR3A-N-WT=26W, 3500K, Summit White
	XTOR2A-N-PC1=18W, 3500K, 120V PC, Carbon Bronze	XTOR3A-N-PC1=26W, 3500K, 120V PC, Carbon Bronze
	XTOR2A-N-PC2=18W, 3500K, 208-277V PC, Carbon Bronze	XTOR3A-N-PC2=26W, 3500K, 208-277V PC, Carbon Bronze
	XTOR2A-N-WHT-PC1=18W, 3500K, Summit White, 120V PC	XTOR3A-N-WHT-PC1=26W, 3500K, Summit White, 120V PC
	XTOR2A-N-WT-PC2=18W, 3500K, Summit White, 208-277V PC	XTOR3A-N-WT-PC2=26W, 3500K, Summit White, 208-277V PC